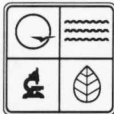


STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

FORM OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR Osborn Energy, LLC				DATE 10/20/2006			
ADDRESS 24850 Farley		CITY Bucyrus		STATE KS	ZIP CODE 66013		
DESCRIPTION OF WELL AND LEASE							
NAME OF LEASE Osborn		WELL NUMBER 45-16		ELEVATION (GROUND) 990'			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 2145 ft. from <input checked="" type="checkbox"/> North <input type="checkbox"/> South section line 330 ft. from <input type="checkbox"/> East <input checked="" type="checkbox"/> West section line							
WELL LOCATION Sec. 16 Township 43 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West		LATITUDE		LONGITUDE		COUNTY Cass	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 495 FEET DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 330 FEET							
PROPOSED DEPTH 600'	DRILLING CONTRACTOR, NAME AND ADDRESS Obborn Energy, LLC			ROTARY OR CABLE TOOLS air	APPROX. DATE WORK WILL START 11/06/2006		
NUMBER OF ACRES IN LEASE 4000	NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 8 NUMBER OF ABANDONED WELLS ON LEASE None						
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME _____ ADDRESS _____				NO. OF WELLS PRODUCING _____ INJECTION _____ INACTIVE _____ ABANDONED _____			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$ _____		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 34000.00		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED	
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)							
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	7"		to surface	20'	7"		Portland to Surface
600'	2 7/8"		to surface	600'	2 7/8"		" "
I, the Undersigned, state that I am the Agent of the OELLC (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.							
SIGNATURE <i>Monte L. Leam</i>				DATE Oct 25, 2006			
PERMIT NUMBER 20771				<input type="checkbox"/> DRILLER'S LOG REQUIRED <input type="checkbox"/> E-LOGS REQUIRED IF RUN			
APPROVED DATE 11-1-06				<input type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN			
APPROVED BY <i>Monte L. Leam</i>				<input type="checkbox"/> SAMPLES REQUIRED <input type="checkbox"/> SAMPLES NOT REQUIRED			
				<input type="checkbox"/> WATER SAMPLES REQUIRED AT			
NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.							
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE							
I, Agent of the OELLC (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.							
DRILLER'S SIGNATURE <i>Monte L. Leam</i>				DATE Oct 25, 2006			



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

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FORM OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER Osborn Energy, LLC		ADDRESS 24850 Farley, Bucyrus, KS 66013	
LEASE NAME Osborn		WELL NUMBER 45-16	
LOCATION OF WELL Sec. 16 Twp 43 North, Rng 33		BLOCK AND SURVEY 2145 ft. from North 330 ft. from West	
COUNTY Cass	PERMIT NUMBER (OGC-3 OR OGC-31) 20771		
DATE SPUDDED 12/12/2006	DATE TOTAL DEPTH REACHED 12/13/2006	DATE COMPLETED READY TO PRODUCE OR INJECT 12/28/2006	ELEVATION (DF, RKR, RT, OR Gr.) FEET 990
TOTAL DEPTH 518		ELEVATION OF CASING HD. FLANGE FEET	
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION 455-462		ROTARY TOOLS USED (INTERVAL) 0 TO 518 DRILLING FLUID USED air	
WAS THIS WELL DIRECTIONALLY DRILLED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		WAS DIRECTIONAL SURVEY MADE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
WAS COPY OF DIRECTIONAL SURVEY FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		DATE FILED	
TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST) Gamma Ray Neutron		DATE FILED	

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9 1/2"	7"	17	20'	6	
Production	6 3/4"	2 7/8"	6 1/2"	504	97	

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
INCH	FEET	FEET	INCH	FEET	FEET		FEET

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	2" DML RTG	455-462	50gal 15% HCL/ 3500#	455-462

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION 1/28/2006		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) Pumping 1 1/2" insert bbl						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST		WATER PRODUCED DURING TEST		OIL GRAVITY
	24		2 BBLS	MCF		2 BBLS		API (CORR.)
TUBING PRESSURE	CASING PRESSURE	CALCULATED RATE OF PRODUCTION PER 24 HOURS		OIL	GAS	WATER		GAS OIL RATIO
				2 BBLS	0MCF	2 BBLS		

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

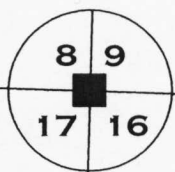
METHOD OF DISPOSAL OF MUD PIT CONTENTS

Let water evaporate, then fill pit with a backhoe

CERTIFICATE: I, the Undersigned, state that I am the Agent of the OELLC (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

DATE 2-9-2009	SIGNATURE <i>Curtis Hauken</i>
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NORTHWEST CORNER
SECTION 17-43-33



SECTION LINE

SECTION LINE

2145'

2475'

PROPOSED GAS
WELL No. 47

PROPOSED GAS
WELL No. 46

PROPOSED GAS
WELL No. 44

330'

330'

PROPOSED GAS
WELL No. 45

330'

330'

PROPOSED GAS
WELL No. 43

PROPOSED GAS
WELL No. 53

330'

97'

330'

PROPOSED GAS
WELL No. 54

330'

330'

PROPOSED GAS
WELL No. 55

330'

PROPOSED GAS
WELL No. 56

PROPOSED GAS
WELL No. 52

SOUTHEAST CORNER
SECTION 17-43-33



0 200



PROPOSED GAS WELL



FOUND MONUMENT @ SECTION CORNER

FOR: OSBORN ENERGY

GAS WELL LOCATIONS



JOHN RENNER
LAND SURVEYOR
6247 BROOKSIDE BOULEVARD
SUITE 204
KANSAS CITY, MO 64113
816-333-8841

NOTES:

THIS IS NOT A BOUNDARY SURVEY. IT IS FOR
PROPOSED GAS WELL LOCATION.

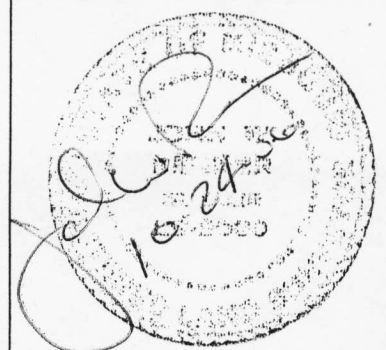
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NOV 01 2006

Mo Oil & Gas Council

DATE: 10-20-2006

JOB No.: 10-06-024



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Mo Oil & Gas Council

Geological Report

Osborn 45-16

Section 16-T43N-R33W

Cass Co., Missouri

Permit #20771

Elevation:

Drilling Contractor: Osborn Energy, LLC

Spud 12-12-06

Total Rotary Depth: 518' on 12-13-06

<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Anna Shale (Lexington)	384'	
Summit Shale	429'	
Mulky Coal/Shale	449'	
Squirrel Sand	453'	
Total Depth	518'	

453-456 SS: clear, grey, shaly, fine grained, angular to sub-rounded, moderately sorted,
weak show of free oil

456-462 SS: clear, brown oil stain, fine grained, angular to sub-rounded, moderately
sorted, slightly micaceous, strong odor, free oil

462-464 SH: grey, sandy, no show

Total Depth 518' on 12-13-06

Brief Summary

Lexington

Small open flow

Squirrel Sand

9' of pay, moderate bleed

CEMENTING WORK ORDER

CONSOLIDATED OIL WELL SERVICES, INC.
Phone (620) 431-9210 Chanute, Kansas 66720

DAY Monday
DATE 12/18/2006
Month / Day / Time

NAME OF CUSTOMER: Osborn

LEASE # Osborn WELL # 45

JOB DESCRIPTION longstring

PIPE SIZE: 2 7/8 SIZE OF HOLE: 6 1/4

DEPTH OF WELL: 518

TYPE OF RIG: AIR MUD

AMOUNT OF CEMENT NEEDED: 97 sks 50/50 Poz

% OF GEL NEEDED: 2%

MATERIALS: 95 sks poz, 365# gel

TRUCKS: VAC TRANSPORT

LOCATION OF JOB

506-FM, 368-MM, 122-RB

ORDER TAKEN BY: Jim Green

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FEB 13 2009

Mo Oil & Gas Council

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CONSOLIDATED OIL WELL SERVICES, INC.
P.O. BOX 884, CHANUTE, KS 66720
320-431-9210 OR 800-467-8676

TICKET NUMBER 09026
LOCATION Ottawa KS
FOREMAN Fred Mader

TREATMENT REPORT & FIELD TICKET
Oil & Gas Council
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-18-06	6073	Osborn # 45				Cass Mo
CUSTOMER Osborn Energy LLC						
MAILING ADDRESS 24850 Farley						
CITY Bucyrus		STATE KS	ZIP CODE 66013			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			506	Fred Mad		
			368	Max Mad		
			122	Red Bass		

JOB TYPE <u>Long string</u>	HOLE SIZE <u>6 1/4</u>	HOLE DEPTH <u>518'</u>	CASING SIZE & WEIGHT <u>2 1/2 EUE</u>
CASING DEPTH <u>504'</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>2 1/2 plug</u>
DISPLACEMENT <u>3 BBL</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>4 BPM</u>

REMARKS: Check casing depth w/measuring line. Establish Circulation
Mix & Pump 200# Premium Gel Flush. Mix & Pump 97 s/lcs
50/50 Por Mix Cement 2% Gel. Cement to Surface. Flush
Pump & lines clean. Displace 2 1/2" rubber Plug to casing
T.D w/ 3 BBL Fresh Water. Pressure to 608# PSI
Shut in casing.
Fred Mader
Customer Supplied Water

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump 368		800.00
5406	10 mi	MILEAGE Pump Truck. 1st 5 wells. 368		31.80
5407A	4.1225 Ton	Ton Mileage. 122		216.43
1124	953Ks	50/50 Por Mix Cement		840.75
1118B	365 #	Premium Gel		51.18
4402	1	2 1/2" Rubber Plug		20.00
		Sub Total		1759.23
		Tax @ 6.8%		62.00
		SALES TAX		
		ESTIMATED TOTAL		2021.78

AUTHORIZATION

TITLE

WAF 211151

DATE